

prio 200E2 circular duct fan

Article Number: 36381

Variant : 230V 1~ 50Hz



Description

- Speed-controllable
- Integral thermal contacts
- Can be installed in any position
- Compact design
- Low SFP values and high efficiency
- Low sound level

The prioAir series is designed for installation in ducts. PrioAir fans have 25 mm long spigot connections acc. with EN 1506:1997.

The fans have aerodynamically optimized impellers and guide vanes with intergrated external rotor motc. The fans can be speed-controlled via a stepless thyristor or a 5-step transformer. To protect the motor from overheating the fan has integrated thermal contacts with manual reset in acc. with EN 60335-2-80. The air tight casing (tightness class C in acc. with EN12237:2003) is manufactured from special composite material.

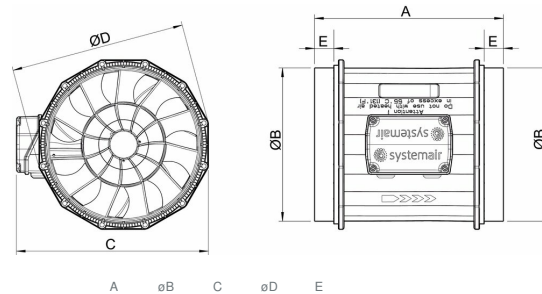
The mounting...

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Technical parameters

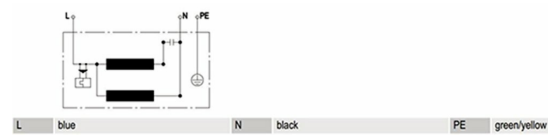
Nominal data	
Voltage (Nominal)	230 V
Frequency	50 Hz
Phase(s)	1~
Input power	68 W
Input current	0.316 A
Impeller speed	2,605 r.p.m.
Air flow	max 0.265 m³/s
Capacitance of capacitor	1.5 µF
Temperature of transported air	max 55 °C
Max temperature of transported air, when speed controlled	55 °C
Sound data	
Sound pressure level at 3m (20m² Sabin)	43 dB(A)
Protection/Classification	
Enclosure class, motor	IP44
Insulation class	B
Data according to ErP	
ErP ready	ErP 2018
Dimensions and weights	
Duct dimension: Circular, inlet	200 mm
Duct dimension: Circular, outlet	200 mm
Weight	3.4 kg
Others	
Duct connection type	Circular
Motor type	AC

Dimension

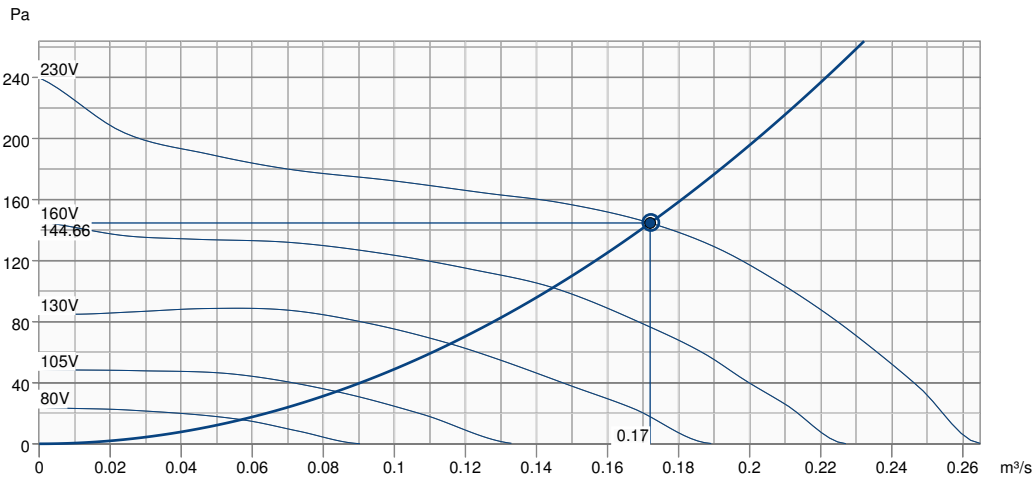


	A	$\varnothing B$	C	$\varnothing D$	E
prio 200	245	199	249	227	25

Wiring



Performance curve



Hydraulic data

Required air flow	0.17 m³/s
Required static pressure	145 Pa
Working air flow	0.17 m³/s
Working static pressure	145 Pa
Air density	1.204 kg/m³
Power	66.8 W
Fan control - RPM	2620 rpm
Current	0.31 A
SFP	0.388 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	40	48	64	64	63	60	55	45	69
Outlet	dB(A)	36	49	55	61	59	58	54	45	65
Surrounding	dB(A)	16	19	32	46	45	42	31	18	49
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	42
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	28

Accessories

CO2RT-R-D Transmitter (6993)

FFR 200 Filter cassette (1773)

FK 200 Fast clamp (1611)

IGK-200 Wall Grid (1633)

REE 1 Speed control (5314)

RETP 6 Temp/Pressure regulator (32293)

REV-3POL/03 ON/OFF (33978)

RT 0-30 Room Thermostat (5151)

VKK-200 Back draft damper (1626)

CB 200-3,0 230V/1 Duct heater (5370)

CB 200-5,0 400V/2 Duct heater (5371)

CWK 200-3-2,5 Duct cooler,circ (30023)

LDC 200-300 Silencer (53369)

LDC 200-900 Silencer (5195)

prio 200 mount. bracket compl. (79315)

VBC 200-3 Water heating batt (9841)

VK-20 Louvre shutter (5639)

STL 1.5 Speed controller (84251)

DTV500A (96807)

FGR 200 Filter cassette (1812)

FRQ5S-E-6A (37421)

RE 1,5 Speed control (5000)

REPT 6 Digital regulator (5698)

REU 1.5 Speed control (5004)

RSK-200 Back draft damper (5602)

SG 200 Protection guard (5609)

CB 200-2,1 230V/1 Duct heater (5384)

CB 200-3,0 400V/2 Duct heater (5294)

CBM 200-5,0 400V/2 Duct heater (5483)

FRQS-E-6A (37419)

LDC 200-600 Silencer (5194)

Presence detector/IR24-P (6995)

VBC 200-2 Water heating batt (5459)

VBF 200 Water heating battery (1732)

IGC-200 Intake grille (76877)

Documents

MANUAL_PRIOAIR_EN_[006].PDF

prio_air200_o_rahmen.dxf

EU DECLARATION OF CONFORMITY_PRIO_EN_001.PDF